

Refine Search

Search Results -

Terms	Documents
agrobacter\$ and L10	559

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 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

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result set

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<u>L11</u>	agrobacter\$ and L10	559	<u>L11</u>
<u>L10</u>	(transgen\$ or Transfor\$) and L9	565	<u>L10</u>
<u>L9</u>	glyphosate and L8	566	<u>L9</u>
<u>L8</u>	kanamycin and L7	1744	<u>L8</u>
<u>L7</u>	(cotton or soybean) and embryo	4224	<u>L7</u>
<u>L6</u>	kanamycin and L5	1426	<u>L6</u>
<u>L5</u>	embryo\$ and cotton	3331	<u>L5</u>
<u>L4</u>	embryo\$ and soybean	4176	<u>L4</u>
<u>L3</u>	cotton and l1	1572	<u>L3</u>
<u>L2</u>	soybean and L1	2168	<u>L2</u>
<u>L1</u>	cotyledo\$	3451	<u>L1</u>

END OF SEARCH HISTORY

5986-181? EPSP-not Km
 5914451 - clone
 500 4863 - 7 - no
 501 5580 limb
 638 430 ~~HE~~ - Km, EPSP
 608 4154 X
 550 3998 galene 4/96
 → 5830 728 4/96
 5989,915 germane
 2/21

13/21
11/21

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status data from INPADOC
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=> s embryo
L1 437553 EMBRYO

=> s (cotton or soybean) and l1
L2 3356 (COTTON OR SOYBEAN) AND L1

=> s kanamycin and l2
L3 41 KANAMYCIN AND L2

=> dup rem l3
PROCESSING COMPLETED FOR L3
L4 23 DUP REM L3 (18 DUPLICATES REMOVED)

=> d 1-23

L4 ANSWER 1 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 1
AN 2004:68509 CAPLUS
TI A simple and rapid *Agrobacterium*-mediated transformation protocol for
cotton (*Gossypium hirsutum* L.): Embryogenic calli as a source to
generate large numbers of transgenic plants
AU Leelavathi, S.; Sunnichan, V. G.; Kumria, R.; Vijaykanth, G. P.;
Bhatnagar, R. K.; Reddy, V. S.
CS International Center for Genetic Engineering and Biotechnology, New Delhi,
110 067, India
SO Plant Cell Reports (2004), 22(7), 465-470
CODEN: PCRPD8; ISSN: 0721-7714
PB Springer-Verlag
DT Journal
LA English
RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 2
AN 2003:487940 CAPLUS
DN 139:302560
TI Slow desiccation leads to high-frequency shoot recovery from transformed
somatic **embryos** of **cotton** (*Gossypium hirsutum* L. cv.
Coker 310 FR)
AU Chaudhary, B.; Kumar, S.; Prasad, K. V. S. K.; Oinam, G. S.; Burma, P. K.;
Pental, D.
CS Department of Genetics, University of Delhi South Campus, New Delhi,
110021, India
SO Plant Cell Reports (2003), 21(10), 955-960
CODEN: PCRPD8; ISSN: 0721-7714
PB Springer-Verlag
DT Journal
LA English

RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 3
AN 2003:140499 CAPLUS
DN 138:363440
TI Obtaining high pest-resistant transgenic upland **cotton** cultivars
 carrying cry 1Ac3 gene driven by chimeric OM promoter
AU Chen, Wanxin; Xiao, Guifang; Zhu, Zhen
CS Institute of Genetics and Developmental Biology, The Chinese Academy of
 Sciences, Beijing, 100101, Peop. Rep. China
SO Acta Botanica Sinica (2002), 44(8), 963-970
 CODEN: ABSCG9; ISSN: 1672-6650
PB Science Press
DT Journal
LA English

RE.CNT 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 4
AN 2002:450634 CAPLUS
DN 137:380599
TI Transient expression of β -glucuronidase in **embryo** axes of
 cotton by Agrobacterium and particle bombardment methods
AU Banerjee, A. K.; Agrawal, D. C.; Nalawade, S. M.; Krishnamurthy, K. V.
CS Plant Tissue Culture Division, National Chemical Laboratory, Pune, 411
 008, India
SO Biologia Plantarum (2002), 45(3), 359-365
 CODEN: BPABAJ; ISSN: 0006-3134
PB Institute of Experimental Botany, Academy of Sciences of the Czech
 Republic
DT Journal
LA English

RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 5
AN 2001:743517 CAPLUS
DN 135:354139
TI Effects of **kanamycin** on tissue culture and somatic embryogenesis
 in **cotton**
AU Zhang, Bao-Hong; Liu, Fang; Liu, Zhi-Hong; Wang, Hong-Mei; Yao, Chang-Bing
CS Key Laboratory of Cotton Genetic Improvement of the Ministry of
 Agriculture, Cotton Research Institute, Chinese Academy of Agricultural
 Sciences, Henan, 455112, Peop. Rep. China
SO Plant Growth Regulation (2001), 33(2), 137-149
 CODEN: PGRED3; ISSN: 0167-6903
PB Kluwer Academic Publishers
DT Journal
LA English

RE.CNT 55 THERE ARE 55 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:493698 CAPLUS
DN 133:100462
TI **Soybean** transformation method omitting callus culture
IN Williams, Edward J.; Emler, Carol A.; Julson, Lori S.; Martinell, Brian
 J.; McCabe, Dennis E.; Huang, Yong
PA Monsanto Co., USA
SO PCT Int. Appl., 21 pp.
 CODEN: PIXXD2

DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000042207	A2	20000720	WO 2000-US791	20000112
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	CA 2359868	AA	20000720	CA 2000-2359868	20000112
	EP 1141346	A2	20011010	EP 2000-906905	20000112
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	BR 2000007815	A	20011106	BR 2000-7815	20000112
	JP 2002534129	T2	20021015	JP 2000-593764	20000112
	US 6384301	B1	20020507	US 2000-483472	20000114
	ZA 2001005743	A	20021014	ZA 2001-5743	20010712
	US 2002157139	A1	20021024	US 2001-29374	20011220
PRAI	US 1999-115833P	P	19990114		
	WO 2000-US791	W	20000112		
	US 2000-483472	A1	20000114		

L4 ANSWER 7 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2001:279722 CAPLUS

DN 134:261832

TI **Soybean** pollen tube transformation method and its use for selecting better species in plant breeding

IN Liu, Depu; Yuan, Ying; Zhou, Zhengping; Wang, Chengwu; Zheng, Peihe; Wang, Bingshu; Wang, Xingzhi; Tang, Kexuan

PA Jilin Academy of Agriculture, Peop. Rep. China

SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 9 pp.

CODEN: CNXXEV

DT Patent

LA Chinese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 1251862	A	20000503	CN 1999-123707	19991116
PRAI	CN 1999-123707		19991116		

L4 ANSWER 8 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2000:793293 CAPLUS

TI Effects of antibiotic **kanamycin** on **cotton** tissue culture and somatic embryogenesis.

AU Zhang, Bao-Hong; Liu, Fang; Liu, Zhi-Hong; Wang, Hong-Mei; Yao, Chang-Bing

CS Cotton Research Institute, Chinese Academy of Agricultural Sciences, Anyang, Peop. Rep. China

SO Abstracts of Papers, 220th ACS National Meeting, Washington, DC, United States, August 20-24, 2000 (2000) AGRO-106

CODEN: 69FZC3

PB American Chemical Society

DT Journal; Meeting Abstract

LA English

L4 ANSWER 9 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 6

AN 1999:553878 CAPLUS

DN 132:59757
 TI Obtaining a transgenic upland **cotton** harboring two insecticidal genes
 AU Wang, Wei; Zhu, Zhen; Gao, Yue-Feng; Shi, Chun-Lin; Chen, Wan-Xin; Guo, Zhong-Chen; Li, Xiang-Hui
 CS Institute of Genetics, The Chinese Academy of Sciences, Beijing, 100101, Peop. Rep. China
 SO Zhiwu Xuebao (1999), 41(4), 384-388
 CODEN: CHWHAY; ISSN: 0577-7496
 PB Kexue Chubanshe
 DT Journal
 LA Chinese

L4 ANSWER 10 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
 AN 1999:505947 BIOSIS
 DN PREV199900505947
 TI Insertion of the maize transposable element Ac into **soybean** (Glycine max L. Merr.) by Agrobacterium mediated transformation method.
 AU Aljanabi, S. M.; Shibli, R.; Ajlouni, M. [Reprint author]
 CS Biotechnology Department, Mauritius Sugar Industry Research Institute, Reduit, Mauritius
 SO Dirasat Agricultural Sciences, (May, 1999) Vol. 26, No. 2, pp. 226-239. print.
 ISSN: 1026-3764.
 DT Article
 LA English
 ED Entered STN: 3 Dec 1999
 Last Updated on STN: 3 Dec 1999

L4 ANSWER 11 OF 23 CABA COPYRIGHT 2004 CABI on STN
 AN 1999:123302 CABA
 DN 19991609073
 TI The effect of **kanamycin** on the growth and development of **cotton** embryogenic callus
 AU Liu Fang; Zhang BaoHong; Yao ChangBing; Wang HongMei; Liu, F.; Zhang, B. H.; Yao, C. B.; Wang, H. M.
 CS Cotton Research Institute, CAAS, Anyang 455112, Henan, China.
 SO Acta Gossypii Sinica, (1999) Vol. 11, No. 2, pp. 70-72. 7 ref.
 DT Journal
 LA Chinese
 SL English
 ED Entered STN: 19990908
 Last Updated on STN: 19990908

L4 ANSWER 12 OF 23 CABA COPYRIGHT 2004 CABI on STN
 AN 94:103187 CABA
 DN 19941608351
 TI Binary vector mediated transformation of **soybean**
 AU Lee, W. B.; Komatsuda, T.
 CS Northeast Agricultural University, Harbin, Heilongjiang, China.
 SO Soybean Genetics Newsletter, (1994) Vol. 21, pp. 87-91. 6 ref.
 DT Journal
 LA English
 ED Entered STN: 19941101
 Last Updated on STN: 19941101

L4 ANSWER 13 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 7
 AN 1994:623148 CAPLUS
 DN 121:223148
 TI 2,4-D resistant transgenic **cotton** plants produced by Agrobacterium-mediated gene transfer

AU Chen, Zhixian; Llewellyn, Danny J.; Fan, Yunliu; Li, Shujun; Guo, Sanduei;
Jiao, gaili; Zhao, Junxia
CS Inst. Cotton/ Shanxi Acad. Agric. Sci., Yuncheng, 044000, Peop. Rep. China
SO Zhongguo Nongye Kexue (Beijing, China) (1994), 27(2), 31-7
CODEN: CKNYAR; ISSN: 0578-1752
DT Journal
LA Chinese

L4 ANSWER 14 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1993:642288 CAPLUS
DN 119:242288
TI Cloning of **soybean** promoter fragments and expression in
transformed Glycyrrhiza uralensis Fisch
AU Dong, Jinlan; Li, Hongquan; Qiao, Jingbo; Li, Hongwei; Liu, Guoping; Li,
Jilin
CS Dep. Biol., Harbin Normal Univ., 150080, Peop. Rep. China
SO Yichuan Xuebao (1993), 20(3), 245-52
CODEN: ICHPCG; ISSN: 0379-4172
DT Journal
LA Chinese

L4 ANSWER 15 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1991:179638 CAPLUS
DN 114:179638
TI Production of genetically transformed soya cell clones by means of
protoplast electroporation
AU Kuchuk, N. V.; Shakhovskii, A. M.; Komarnitskii, I. K.; Gleba, Yu. Yu.
CS N. G. Kholodnyi Inst. Bot., Kiev, 252601, USSR
SO Biotekhnologiya (1990), (5), 30-1
CODEN: BTKNEZ; ISSN: 0234-2758
DT Journal
LA Russian

L4 ANSWER 16 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1990:117394 CAPLUS
DN 112:117394
TI Regeneration of, and transformation of, **cotton** callus
IN Rangan, Thirumale Srinivasa; Anderson, David Maurice; Rajasekaran,
Kanniah; Grula, John William; Hudspeth, Richard Lorne; Yenofsky, Richard
Lee
PA Phytogen, USA
SO PCT Int. Appl., 109 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	WO 8905344	A1	19890615	WO 1988-US4116	19881116
	W: AU, JP, KR, SD, SU				
	RW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE				
	IL 104845	A1	19880816	IL 1988-104845	19881102
	AU 8929266	A1	19890705	AU 1989-29266	19881116
	AU 632038	B2	19921217		
	BR 8806136	A	19890815	BR 1988-6136	19881116
	ZA 8808550	A	19890830	ZA 1988-8550	19881116
	EP 344302	A1	19891206	EP 1989-901415	19881116
	EP 344302	B1	19990331		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	JP 02502253	T2	19900726	JP 1989-501312	19881116
	ES 2016428	A6	19901101	ES 1988-3483	19881116
	EP 899341	A2	19990303	EP 1998-118057	19881116

EP 899341	A3	19990421		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
AT 178353	E	19990415	AT 1989-901415	19881116
CA 1337406	A1	19951024	CA 1988-583523	19881118
KR 9710757	B1	19970630	KR 1989-71350	19890715
AU 9335284	A1	19930520	AU 1993-35284	19930316
AU 668915	B2	19960523		
JP 07000065	A2	19950106	JP 1993-214729	19930630
JP 08004434	B4	19960124		
CA 1335799	A1	19950606	CA 1994-616835	19940316
US 6753463	B1	20040622	US 1994-336555	19941109
US 5834292	A	19981110	US 1995-436080	19950508
US 5859321	A	19990112	US 1995-438192	19950509
US 5695999	A	19971209	US 1995-476707	19950606
US 5583036	A	19961210	US 1995-486380	19950607
US 5874662	A	19990223	US 1995-475971	19950607
US 6624344	B1	20030923	US 1995-480186	19950607
US 6660914	B1	20031209	US 1995-487495	19950607
AU 9664247	A1	19961121	AU 1996-64247	19960823
AU 708250	B2	19990729		
RU 2225882	C2	20040320	RU 1997-121926	19971230
PRAI US 1987-122200	A	19871118		
IL 1988-88266	A3	19881102		
EP 1989-901415	A3	19881116		
WO 1988-US4116	A	19881116		
CA 1988-583523	A3	19881118		
US 1991-680048	A3	19910329		
US 1993-122090	A1	19930914		
US 1993-122094	B1	19930914		
US 1993-122351	B1	19930914		
US 1993-122353	B1	19930914		
US 1993-122793	B1	19930914		
US 1994-336555	A1	19941109		
US 1995-436080	A1	19950508		

L4 ANSWER 17 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1989:472528 CAPLUS
 DN 111:72528
 TI Particle-mediated genetic transformation of **soybean**
 IN Christou, Paul; McCabe, Dennis; Swain, William F.; Barton, Kenneth A.
 PA AGRACETUS, USA
 SO Eur. Pat. Appl., 26 pp.
 CODEN: EPXXDW

DT Patent
 LA English
 FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	EP 301749	A2	19890201	EP 1988-306613	19880720
	EP 301749	A3	19901128		
	EP 301749	B1	19940302		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE					
	US 5015580	A	19910514	US 1988-193357	19880512
	AT 102251	E	19940315	AT 1988-306613	19880720
	AU 8820196	A1	19890202	AU 1988-20196	19880729
	AU 619196	B2	19920123		
	CN 1030940	A	19890208	CN 1988-104761	19880729
	CN 1044919	B	19990901		
	JP 01080296	A2	19890327	JP 1988-190479	19880729
PRAI	US 1987-79658	A	19870729		
	US 1988-193357	A	19880512		
	EP 1988-306613	A	19880720		

L4 ANSWER 18 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1988:623989 CAPLUS
 DN 109:223989
 TI Genetic engineering of **cotton** plants and lines
 IN Umbeck, Paul F.
 PA AGRACETUS, USA
 SO Eur. Pat. Appl., 10 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 270355	A2	19880608	EP 1987-310611	19871202
	EP 270355	A3	19900704		
	EP 270355	B1	19940316		
	R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	US 5004863	A	19910402	US 1986-937384	19861203
	US 5004863	B2	20001017		
	IN 168950	A	19910720	IN 1987-CA919	19871124
	BR 8706530	A	19880712	BR 1987-6530	19871202
	AT 102999	E	19940415	AT 1987-310611	19871202
	ES 2052582	T3	19940716	ES 1987-310611	19871202
	CN 87107233	A	19880824	CN 1987-107233	19871203
	US 5159135	A	19921027	US 1990-575035	19900830
	US 5159135	B1	20001024		
	US 5004863	B1	19921208	US 1992-90002721	19920506
PRAI	US 1986-937384	A	19861203		
	EP 1987-310611	A	19871202		

L4 ANSWER 19 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 8
 AN 1988:523535 CAPLUS
 DN 109:123535
 TI Stable transformation of **soybean** callus by DNA-coated gold particles
 AU Christou, Paul; McCabe, Dennis E.; Swain, William F.
 CS Agracetus, Middleton, WI, 53562, USA
 SO Plant Physiology (1988), 87(3), 671-4
 CODEN: PLPHAY; ISSN: 0032-0889
 DT Journal
 LA English

L4 ANSWER 20 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1987:170182 CAPLUS
 DN 106:170182
 TI Genetically transformed **cotton** (*Gossypium hirsutum* L.) plants
 AU Umbeck, Paul; Johnson, Gail; Barton, Ken; Swain, Will
 CS Agracetus, Middleton, WI, 53562, USA
 SO Bio/Technology (1987), 5(3), 263-6
 CODEN: BTCHDA; ISSN: 0733-222X
 DT Journal
 LA English

L4 ANSWER 21 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 9
 AN 1988:88857 CAPLUS
 DN 108:88857
 TI Transformation of **cotton** (*Gossypium hirsutum* L.) by *Agrobacterium tumefaciens* and regeneration of transgenic plants
 AU Firoozabady, Ebrahim; DeBoer, David L.; Merlo, Donald J.; Halk, Edward L.; Amerson, Lorraine N.; Rashka, Kay E.; Murray, Elizabeth E.
 CS Agrigenet. Adv. Sci. Co., Madison, WI, 53716, USA

SO Plant Molecular Biology (1987), 10(2), 105-16

CODEN: PMBIDB; ISSN: 0167-4412

DT Journal

LA English

L4 ANSWER 22 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1970:402658 CAPLUS

DN 73:2658

TI Antibiotic SF-701

IN Shomura, Takashi; Tsuruoka, Takashi; Ezaki, Norio; Niwa, Tomizo; Niida, Taro

PA Meiji Confectionary Co., Ltd.

SO Jpn. Tokkyo Koho, 11 pp.

CODEN: JAXXAD

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	----	-----	-----
PI	JP 45006878	B4	19700309	JP	19671104

L4 ANSWER 23 OF 23 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN

AN 2004:15837 AGRICOLA

DN IND43621626

TI A simple and rapid Agrobacterium-mediated transformation protocol for **cotton** (*Gossypium hirsutum* L.): embryogenic calli as a source to generate large numbers of transgenic plants.

AU Leelavathi, S.; Sunnichan, V.G.; Kumria, R.; Vijaykanth, G.P.; Bhatnagar, R.K.; Reddy, V.S.

AV DNAL (QK725.P54)

SO Plant cell reports, p. 465-470

ISSN: 0721-7714

NTE Includes references

DT Article

FS Non US

LA English

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(FILE 'HOME' ENTERED AT 12:31:20 ON 05 NOV 2004)

FILE 'CAPLUS, CABA, AGRICOLA, BIOSIS' ENTERED AT 12:31:52 ON 05 NOV 2004

L1 437553 S EMBRYO

L2 3356 S (COTTON OR SOYBEAN) AND L1

L3 41 S KANAMYCIN AND L2

L4 23 DUP REM L3 (18 DUPLICATES REMOVED)

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L4 23 DUP REM L3 (18 DUPLICATES REMOVED)

=> s (transgen? or transfor?) and l2

L5 620 (TRANSGEN? OR TRANSFOR?) AND L2

=> s kanamycin and l5

L6 39 KANAMYCIN AND L5

=> dup rem l6

PROCESSING COMPLETED FOR L6

L7 21 DUP REM L6 (18 DUPLICATES REMOVED)

=> d l7 1-21 abs

L7 ANSWER 1 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 1

AB A protocol is presented for efficient **transformation** and regeneration of **cotton**. Embryogenic calli co-cultivated with *Agrobacterium* carrying *cryIIa5* gene were cultured under dehydration stress and antibiotic selection for 3-6 wk to generate several **transgenic embryos**. An average of 75 globular **embryo** clusters were observed on selection plates and these **embryos** were cultured on multiplication medium followed by development of cotyledonary **embryos** on **embryo** maturation medium to obtain an average of 12 plants per Petri plate of co-cultivated callus. About 83% of these plants have been confirmed to be **transgenic** by Southern blot anal. An efficiency of ten **kanamycin**-resistant plants per Petri plate of co-cultivated embryogenic callus was obtained. The simplicity of the procedure and the efficiency of the initial material allow **transformation** of any variety where a single regenerating embryogenic callus line can be obtained. In addition, multiple **transformations** can be performed either simultaneously or sequentially. The method is extremely simple, reliable, efficient, and much less laborious than any other existing method for **cotton transformation**.

L7 ANSWER 2 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 2

AB In *Agrobacterium*-mediated genetic **transformation** of **cotton** (*Gossypium hirsutum* L. cv. Coker 310FR) the frequency at which somatic **embryos** were converted to plantlets was significantly improved by subjecting the **embryos** to slow phys. desiccation. We used *Agrobacterium* strain GV3101 containing the binary vector pGSFR with the *nos-nptII* gene for in vitro selection and the 35S *gus-int* fragment as a reporter to optimize the **transformation** protocol. Although the concentration of **kanamycin** was reduced during embryogenesis and **embryo** maturation, even at the lower levels somatic **embryos** were predominantly abnormal, showing hypertrophy and reduced or fused cotyledons or poor radicle ends. A majority of these **embryos** (more than 75%) were β -glucuronidase (GUS)-pos. **Embryos** with an abnormal appearance showed a very poor conversion to plantlets. However, these **embryos**, when subjected to slow phys. desiccation followed by transfer to fresh medium, regenerated single or multiple shoots from the cotyledonary end. These shoots could be grafted on wild-type seedling stocks in vitro, which, following their transfer to soil, developed normally and set seeds. Regenerated plants tested pos. for the **transgene** by Southern anal. An overall scheme for the high-frequency production of **cotton transgenics** from both normal and abnormal appearing somatic **embryos** is presented.

L7 ANSWER 3 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 3

AB Hypocotyl segments from aseptic seedlings of two important cultivars of upland **cotton** (*Gossypium hirsutum* L.) in Northwest China, "Xinluzao-1", "Jinmian-7", "Jinmian-12" and "Jihe-321" were **transformed** resp. by two efficient plant expression plasmids pBinMoBc and pBinoBc via *Agrobacterium tumefaciens*. In pBinMoBc, the

cry1Ac3 gene, which encodes the Bt toxin, is under the control of a chimeric OM promoter. In pBinoBc, it is under control of the CaMV 35S promoter. After co-cultivation with *Agrobacterium tumefaciens* LBA4404, **kanamycin**-resistant selection, somatic **embryos** were induced and regenerated plants were obtained. Then the regenerated plantlets were grafted to untransformed stocks to produce descendants. The integration of the cry1Ac3 gene and its expression in the T2 generation of **transgenic cotton** plants were confirmed by Southern hybridization and Western blotting. Insect bioassays indicated that **transgenic** plants of both constructions have significant resistance to larvae of **cotton bollworm** (*Heliothis armigera*). The OM promoter construct produced 2.2 times as much Bt toxin in **cotton** leaves as the CaMV construct. The cry1Ac3 gene driven by chimeric OM promoter could endue T2 generation **cotton** with high pest-resistant ability, exhibiting potential for use in genetic engineering to breed new pest-resistant **cotton** varieties.

L7 ANSWER 4 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 4
 AB Transient expression of β -glucuronidase (GUS) in zygotic **embryo** axes of two **cotton** (*Gossypium hirsutum* L.) cultivars NHH-44 and DCH-32 was induced by *Agrobacterium* mediated **transformation** or by particle bombardment. For *Agrobacterium transformation*, disarmed *A. tumefaciens* strain GV 2260/p35SGUSINT was used. In cv. NHH-44, the maximum frequency of transient expression (14.28 %) was achieved on spotting *Agrobacterium* paste on the apical regions of the split **embryo** axes. The method resulted in a **transformed** callus line, which showed strong GUS activity. Integration of NPTII gene was confirmed by Southern anal. **Transgene** expression by particle bombardment was achieved with p35SGUSINT and PIBGUS plasmids independently. The maximum frequency of GUS expression in 29.16% explants was observed in cultivar NHH-44 with gold microcarriers (1.1 μ m) when bombarded once with rupture disk of 7586 kPa at target cell distance of 6 cm. A **transformed** callus line was obtained when explants were bombarded with p35SGUSINT and cultured on Murashige and Skoog's medium supplemented with B5 vitamins, 0.1 mg dm⁻³ 1-phenyl-3-(1,2,3-thiadiazol-5-yl) urea, 0.01 mg dm⁻³ α -naphthaleneacetic acid, 3 % glucose + 50 mg dm⁻³ **kanamycin**. High GUS activity was observed in callus tissue as well as in somatic **embryo** like structures achieved in liquid shake cultures.

L7 ANSWER 5 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 5
 AB The aminoglycoside antibiotic **kanamycin** was evaluated for its effects on callus initiation from hypocotyl and cotyledon explants, proliferation of non-embryogenic and embryogenic calli, initiation and development of somatic **embryos** in **cotton** (*Gossypium hirsutum* L.). On this basis, the potential use of **kanamycin** as a selective agent in genetic **transformation** with the neomycin phosphotransferase II gene as the selective marker gene was evaluated. **Cotton** cotyledon and hypocotyl explants, and embryogenic calluses were highly sensitive to **kanamycin**. **Kanamycin** at 10 mg/L or higher concns. reduced callus formation, with complete inhibition at 60 mg/L. **Kanamycin** inhibited embryogenic callus growth and proliferation, as well as the initiation and development of **cotton** somatic **embryos**. The sensitivity of embryogenic callus and somatic **embryos** to **kanamycin** was different during the initiation and development stages. **Kanamycin** was considered as a suitable selective agent for **transformed** callus formation and growth of non-embryogenic callus. Forty to sixty mg/L was the optimal **kanamycin** concentration for the induction and proliferation of **transformed** callus. The concentration of **kanamycin** must be increased (from 50 to 200 mg/L) for the selection of **transformation** embryogenic callus and somatic **embryos**.

A scheme for selection of **transgenic cotton** plants when **kanamycin** is used as the selection agent is discussed.

L7 ANSWER 6 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN

AB A method is disclosed for the Agrobacterium -mediated germline genetic **transformation** of **soybean**. The method is based on Agrobacterium -mediated gene delivery to individual cells in a freshly germinated **soybean** meristem, which cells can be induced directly to form shoots that give rise to **transgenic** plants. This method does not involve callus-phase tissue culture and is rapid and efficient.

L7 ANSWER 7 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN

AB The present invention relates to **soybean** pollen tube **transformation** method which can be used for selecting better species in plant breeding. The method comprises removing the petals from the fresh flower after pollination, cutting the stigma from pistils near the ovary, dropping the DNA solution into the pollen tubes, and culturing the **embryo** in media or selecting the seeds for **transgenic soybeans**. The Bar gene or NptII gene for Basta or **kanamycin** resistance can be used as selecting markers.

L7 ANSWER 8 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN

AB Aminoglycoside antibiotic **kanamycin** was evaluated for its effects on callus initiation from hypocotyl and cotyledon explants, proliferation of nonembryogenic and embryogenic calli, differentiation and development of somatic **embryos** in **cotton** (*Gossypium hirsutum* L.). On this basis, potential use of **kanamycin** as a selective agent in genetic **transformation** with the neomycin phosphotransferase II gene as the selective marker gene was evaluated. **Cotton** cotyledon and hypocotyl explants, and embryogenic callus were highly sensitive to **kanamycin**. **Kanamycin** at 10 mg/L or higher concns. reduced callus formation, and with complete inhibition at 60 mg/L. **Kanamycin** inhibited embryogenic callus growth and proliferation, as well as differentiation and development of **cotton** somatic **embryos**. The sensitivity of embryogenic callus and somatic **embryos** to **kanamycin** were different during differentiatinal and developmental stage. **Kanamycin** was considered as a suitable selective agent for **transformed** callus formation and growth of nonembryogenic callus. 50 mg/L was the optimal **kanamycin** concentration for the induction and proliferation of **transformed** callus. The concentration of **Kanamycin** must be increased for the selection of **transformation** embryogenic callus and somatic **embryos**.

L7 ANSWER 9 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 6

AB PBInLK carried two insecticidal genes, pea lectin (P-Lec) gene and **soybean** Kunitz trypsin inhibitor (SKTI) gene, were successfully transferred into 4 upland **cotton** (*Gossypium hirsutum* L.) cultivars, "Xinluzao-1", "Xinluzhong-2", "Jihe-321" and "Liao-9" via Agrobacterium-mediated **transformation**. Hypocotyl segments from aseptic seedlings were used as recipient. After co-cultivation of hypocotyl segments with *A. tumefaciens* (Smith et Townsend) Conn, **kanamycin**-resistant calli were screened, and somatic **embryos** and regenerated plants were obtained through various media. **Transgenic cotton** plants harboring two insecticidal genes were confirmed by NPT-II ELISA, PCR and PCR Southern. The results of bioassay demonstrated that the **transgenic** plants showed significant resistance to the larvae of **cotton** bollworm (*Heliothis armigera* Hubner).

L7 ANSWER 10 OF 21 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN

AB The maize transposable element Ac (Activator) was introduced into **soybean** plants using *Agrobacterium tumefaciens* T-DNA. Cotyledons were inoculated with *Agrobacterium tumefaciens* strain A281 harboring the binary vectors pZAC1 and pZAC1/R (containing the NPTII (neomycin phosphotransferase II) gene, beta-Glucoronidase gene, and the Ac maize transposable element). The method of **transformation** does not require intermediate callus formation steps; instead, it involves inoculation of the **embryo** axis attachment to the cotyledons which later produced multiple shoots. Identification of R0 plants carrying the Ac element was done by Polymerase Chain Reaction (PCR) amplification of an internal fragment of the Ac sequence. The PCR assay indicated the presence of the Ac element in the **soybean** R0 genome. Southern blot analysis of the genomic DNA isolated from R1 plants indicated integration and sexual transmission of the whole transferred DNA (NPTII, 35S promoter, Ac element, Nos-P, Nos-T, and GUS gene) into the **soybean** genome. The percentage of **transformation** was 24% (with pZAC1), and 10% (with pZAC1/R) of the regenerated plants that survived several cycles of **kanamycin** selection. Based on GUS assay, the Ac element was found to be relatively active in some of the **soybean** R1 plants. Blue sectors were detected in two individual **transformed** plants. Detection of GUS activity in some of the leaf tissue of the R1 **transgenic** plants indicated excision of the Ac element from the untranslated leader sequence of the GUS gene. The Ac element followed a Mendelian pattern of inheritance, segregating in a 3:1 ratio in R1 progeny.

L7 ANSWER 11 OF 21 CABA COPYRIGHT 2004 CABI on STN
AB **Embryos** of soybean genotypes Peking 501, American Jellow, Kou 502 (Masshokutou) and Bominori were excised from immature seeds and cultured in vitro. Explants undergoing embryogenesis or organogenesis were cocultivated for 1 day with either EHA101/PSAOR1221 or LBA4404/PTRA415 vectors. PSAOR1221 is a binary Ti plasmid containing the [beta]-glucuronidase (GUS) gene driven by the CaMV 35S promoter. PTRA415 harbours a tobacco PR1a protein gene which is induced by stress or chemicals. Following selection on **kanamycin**-containing medium and GUS assays of regenerants, **transformants** were only identified from the EHA101/PSAOR1221 treatment (0-5.4% **transformants** via embryogenesis and 4-12.2% via organogenesis).

L7 ANSWER 12 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 7
AB Hypocotyl segments from 5-6 day old seedlings of *Gossypium hirsutum* cv. Jin 7 were co-cultivated with *Agrobacterium tumefaciens* strain AGLI 17-2 containing a binary vector pGA470(35S-GUS-nos3'/35S-tfdA-Nos3'). **Transformed kanamycin**-resistant calli were selected on MS medium containing 0.1 mg/L 2,4-D, 0.1 mg/L kinetin. 50 Mg/L **kanamycin** and 500 mg/L cefotaxime for 2 mo, then numbered and tested for GUS activity after 3 mo. Selected GUS pos. calli were cultured on **embryo** introduction medium (MS + 1.9 g/L KNO3) until globular **embryos** developed and germinated. Plantlets were developed from these **embryos** over the next 2-3 mo. Plantlets were analyzed for NPT II and GUS activity. Eighty-seven percent of plantlets examined expressed the NPT II and GUS. Histochem. assays revealed strong GUS reactions in roots, stems and leaves of **transgenic** plants. Southern hybridization confirmed the presence of the tfdA gene in the genome of the **transgenic** plants. R1 **cotton** plants were sprayed with different concns. (25-800 ppm) of 2,4-D. All GUS pos. plants proved to be resistant to 2,4-D.

L7 ANSWER 13 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN
AB DNA fragments, BamHI and HindIII double digested, from **soybean** have been ligated to the upstream of promoter-less GUS gene of pB1101 vector. The recombinant plasmids containing different DNA fragments of

soybean were constructed, and **transformed** to *E. coli* C600. The recombinant plasmids were transferred into *A. rhizogenes* R1000(pRiA4b) by triparental mating method and the transferants were used to infect the **embryo** axis, stems and other explants from *G. uralensis* Fisch by injection. Hairy roots appeared from cultures on hormone-free MS medium with 1 mg/mL cb and regenerated into plants. The **transformed** *B. uralensis* Fisch had resistance to **Kanamycin** and contained mannopine and agropine. In histochem. assay, blue ppts. were found in leaves, stems, and hairy roots of **transformed** plants C13 and C2. Thus, **soybean** promoter controlled the GUS gene. Inserted fragments of **soybean** DNA in C2 and C13 were .apprx.0.8kb. DNA-DNA hybridization confirmed that the DNA in recombinant plasmids is homol. with both the DNA in **soybean** and **transformed** *G. uralensis* plant.

L7 ANSWER 14 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN
AB Protoplasts isolated from immature **soybean embryos** 2-3 wk after flowering were **transformed** by plasmid pGA472, DNA containing the gene for neomycin phosphatransferase under control of nopaline synthase gene promoter by electroporatin. Approx. 50% of the protoplasts remained viable and were transferred to petri dishes. After 3 wk incubation in the presence of the hormone 6-benzylaminopurine and naphthylacetic acid, **transformants** were selected by growth on **kanamycin**. Neomycin phosphatransferase activity was measured and plasmid DNA was recovered, thus, verifying **transformation**.

L7 ANSWER 15 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN
AB Medium, plant hormone, and illumination regimens are described for the regeneration of **cotton** plants from callus via somatic **embryos**. **Transformation** of **cotton** callus with *Agrobacterium* and suitable vectors are also described. Somaclonal variants were generated with improved resistance to *Verticillium* wilt or **kanamycin** (as a model herbicide), or with improved raw **cotton** fiber properties. Callus cultures were **transformed** to show resistance to glyphosate by expression of a bacterial gene or to express *Bacillus thuringiensis* δ -endotoxin genes.

L7 ANSWER 16 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN
AB A method and apparatus are disclosed for the genetic **transformation** of regenerable **soybean** tissues by coating foreign DNA on carrier particles and phys. accelerating them into the plant tissues. Some of the seeds from the regenerated plants will contain the foreign DNA in their genome. A quantity of 1-3 μ m gold spherical beads for use as carrier particles were precoated with polylysine and then used to adsorb pCMC1022 DNA, which contained a gene for **kanamycin** resistance. Zygotic **embryos** from **soybean** plants were placed on a surface and then exposed to accelerated gold beads containing pCMC1022. The **embryos** so treated were grown into plantlets and then analyzed for the presence of aminoglycoside-3-phosphotransferase II (specifying **kanamycin** resistance). Resultant whole plants were subsequently analyzed for the presence of pCMC1022 DNA by the Southern hybridization technique.

L7 ANSWER 17 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN
AB A method for preparation of **transgenic cotton** plants comprises *Agrobacterium*-mediated **transformation** of **cotton** cells, induction of somatic embryogenesis of **transformed** cells, and regeneration of plants. *Gossypium hirsutum* seeds were surface-sterilized, germinated, and hypocotyl explants were removed. The explants were placed on an agar medium and inoculated with *A. tumefaciens* containing a binary Ti plasmid system, one of which encoded neomycin phosphotransferase II (NPT-II). After 3-5 days, the tissues were

transferred to Murashige-Skoog medium containing 2,4-D and 6-furfurylaminopurine and **kanamycin**. After 3-4 mo, individual cells were maintained on selection medium for tissue amplification, and the **transformed** cells were incubated another 2-3 mo for somatic **embryo** formation. Plants with NPT-II activity were regenerated from these tissues.

- L7 ANSWER 18 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 8
AB Immature **soybean** (*Glycine max*) **embryos** from com. important cultivars were the targets of rapidly accelerated, DNA-coated, gold particles. Protoplasts were prepared from these tissues and propagated in culture under selection conditions for the introduced neomycin phosphotransferase II gene. **Kanamycin**-resistant calli were obtained at a rate of approx. 10⁻⁵. Enzyme assays and Southern blot hybridization confirmed the expression of the foreign gene and its stable integration into the **soybean** genome. Particle acceleration can be used for the introduction of foreign DNA into the **soybean** genome. This technique may be useful in the recovery of engineered plants by **transformation** of regenerable tissues.
- L7 ANSWER 19 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN
AB Genetically engineered plants of com. **cotton** varieties were obtained by *Agrobacterium*-mediated **transformation**. Inoculated tissues selected on **kanamycin** [8063-07-8]-containing medium gave rise to **transformed** calli that are resistant to the antibiotic and expressed the neomycin phosphotransferase [62213-36-9] enzyme. Amplified tissues were plated onto hormone-free medium to promote embryogenesis. Somatic **embryos** germinated, and whole plants also expressed the marker enzyme.
- L7 ANSWER 20 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 9
AB **Cotton** cotyledon tissues were efficiently **transformed**, and plants were regenerated. Cotyledon pieces from 12-day-old aseptically germinated seedlings were inoculated with *A. tumefaciens* strains containing avirulent Ti (tumor-inducing) plasmids with a chimeric gene encoding **kanamycin** resistance. After 3 days cocultivation, the cotyledon pieces were placed on a callus initiation medium containing **kanamycin** for selection. High frequencies of **transformed kanamycin**-resistant calli were produced, >80% of which were induced to form somatic **embryos**. Somatic **embryos** were germinated, and plants were regenerated and transferred to soil. **Transformation** was confirmed by opine production, **kanamycin** resistance, immunoassay, and DNA blot hybridization. This process for producing **transgenic cotton** plants facilitates transfer of genes of economic importance to **cotton**.
- L7 ANSWER 21 OF 21 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN
AB A protocol is presented for efficient **transformation** and regeneration of **cotton**. Embryogenic calli co-cultivated with *Agrobacterium* carrying *cryIIa5* gene were cultured under dehydration stress and antibiotic selection for 3-6 weeks to generate several **transgenic embryos**. An average of 75 globular **embryo** clusters were observed on selection plates and these **embryos** were cultured on multiplication medium followed by development of cotyledonary **embryos** on **embryo** maturation medium to obtain an average of 12 plants per Petri plate of co-cultivated callus. About 83% of these plants have been confirmed to be **transgenic** by Southern blot analysis. An efficiency of ten **kanamycin**-resistant plants per Petri plate of co-cultivated

embryogenic callus was obtained. The simplicity of the procedure and the efficiency of the initial material allow **transformation** of any variety where a single regenerating embryogenic callus line can be obtained. In addition, multiple **transformations** can be performed either simultaneously or sequentially. The method is extremely simple, reliable, efficient, and much less laborious than any other existing method for **cotton transformation**.

=> d 17 1-21 ibib

L7 ANSWER 1 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 1
ACCESSION NUMBER: 2004:68509 CAPLUS
TITLE: A simple and rapid *Agrobacterium*-mediated
transformation protocol for **cotton**
(*Gossypium hirsutum* L.): Embryogenic calli as a source
to generate large numbers of **transgenic**
plants
AUTHOR(S): Leelavathi, S.; Sunnichan, V. G.; Kumria, R.;
Vijaykanth, G. P.; Bhatnagar, R. K.; Reddy, V. S.
CORPORATE SOURCE: International Center for Genetic Engineering and
Biotechnology, New Delhi, 110 067, India
SOURCE: Plant Cell Reports (2004), 22(7), 465-470
CODEN: PCRPD8; ISSN: 0721-7714
PUBLISHER: Springer-Verlag
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 2
ACCESSION NUMBER: 2003:487940 CAPLUS
DOCUMENT NUMBER: 139:302560
TITLE: Slow desiccation leads to high-frequency shoot
recovery from **transformed** somatic
embryos of **cotton** (*Gossypium*
hirsutum L. cv. Coker 310 FR)
AUTHOR(S): Chaudhary, B.; Kumar, S.; Prasad, K. V. S. K.; Oinam,
G. S.; Burma, P. K.; Pental, D.
CORPORATE SOURCE: Department of Genetics, University of Delhi South
Campus, New Delhi, 110021, India
SOURCE: Plant Cell Reports (2003), 21(10), 955-960
CODEN: PCRPD8; ISSN: 0721-7714
PUBLISHER: Springer-Verlag
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 3 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 3
ACCESSION NUMBER: 2003:140499 CAPLUS
DOCUMENT NUMBER: 138:363440
TITLE: Obtaining high pest-resistant **transgenic**
upland **cotton** cultivars carrying cry 1Ac3
gene driven by chimeric OM promoter
AUTHOR(S): Chen, Wanxin; Xiao, Guifang; Zhu, Zhen
CORPORATE SOURCE: Institute of Genetics and Developmental Biology, The
Chinese Academy of Sciences, Beijing, 100101, Peop.
Rep. China
SOURCE: Acta Botanica Sinica (2002), 44(8), 963-970
CODEN: ABSCG9; ISSN: 1672-6650
PUBLISHER: Science Press

DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 4 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 4
ACCESSION NUMBER: 2002:450634 CAPLUS
DOCUMENT NUMBER: 137:380599
TITLE: Transient expression of β -glucuronidase in
embryo axes of **cotton** by
Agrobacterium and particle bombardment methods
AUTHOR(S): Banerjee, A. K.; Agrawal, D. C.; Nalawade, S. M.;
Krishnamurthy, K. V.
CORPORATE SOURCE: Plant Tissue Culture Division, National Chemical
Laboratory, Pune, 411 008, India
SOURCE: Biologia Plantarum (2002), 45(3), 359-365
CODEN: BPABAJ; ISSN: 0006-3134
PUBLISHER: Institute of Experimental Botany, Academy of Sciences
of the Czech Republic
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 5 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 5
ACCESSION NUMBER: 2001:743517 CAPLUS
DOCUMENT NUMBER: 135:354139
TITLE: Effects of **kanamycin** on tissue culture and
somatic embryogenesis in **cotton**
AUTHOR(S): Zhang, Bao-Hong; Liu, Fang; Liu, Zhi-Hong; Wang,
Hong-Mei; Yao, Chang-Bing
CORPORATE SOURCE: Key Laboratory of Cotton Genetic Improvement of the
Ministry of Agriculture, Cotton Research Institute,
Chinese Academy of Agricultural Sciences, Henan,
455112, Peop. Rep. China
SOURCE: Plant Growth Regulation (2001), 33(2), 137-149
CODEN: PGRED3; ISSN: 0167-6903
PUBLISHER: Kluwer Academic Publishers
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 55 THERE ARE 55 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 6 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2000:493698 CAPLUS
DOCUMENT NUMBER: 133:100462
TITLE: **Soybean transformation** method
omitting callus culture
INVENTOR(S): Williams, Edward J.; Emler, Carol A.; Julson, Lori S.;
Martinell, Brian J.; McCabe, Dennis E.; Huang, Yong
PATENT ASSIGNEE(S): Monsanto Co., USA
SOURCE: PCT Int. Appl., 21 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000042207	A2	20000720	WO 2000-US791	20000112
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU,				

CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,
IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,
SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ,
BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

CA 2359868 AA 20000720 CA 2000-2359868 20000112
EP 1141346 A2 20011010 EP 2000-906905 20000112
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO
BR 2000007815 A 20011106 BR 2000-7815 20000112
JP 2002534129 T2 20021015 JP 2000-593764 20000112
US 6384301 B1 20020507 US 2000-483472 20000114
ZA 2001005743 A 20021014 ZA 2001-5743 20010712
US 2002157139 A1 20021024 US 2001-29374 20011220
PRIORITY APPLN. INFO.: US 1999-115833P P 19990114
WO 2000-US791 W 20000112
US 2000-483472 A1 20000114

L7 ANSWER 7 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2001:279722 CAPLUS

DOCUMENT NUMBER: 134:261832

TITLE: **Soybean pollen tube transformation**
method and its use for selecting better species in
plant breeding

INVENTOR(S): Liu, Depu; Yuan, Ying; Zhou, Zhengping; Wang, Chengwu;
Zheng, Peihe; Wang, Bingshu; Wang, Xingzhi; Tang,
Kexuan

PATENT ASSIGNEE(S): Jilin Academy of Agriculture, Peop. Rep. China
SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 9 pp.
CODEN: CNXXEV

DOCUMENT TYPE: Patent

LANGUAGE: Chinese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
CN 1251862	A	20000503	CN 1999-123707	19991116
PRIORITY APPLN. INFO.:			CN 1999-123707	19991116

L7 ANSWER 8 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2000:793293 CAPLUS

TITLE: Effects of antibiotic **kanamycin** on
cotton tissue culture and somatic
embryogenesis.

AUTHOR(S): Zhang, Bao-Hong; Liu, Fang; Liu, Zhi-Hong; Wang,
Hong-Mei; Yao, Chang-Bing

CORPORATE SOURCE: Cotton Research Institute, Chinese Academy of
Agricultural Sciences, Anyang, Peop. Rep. China
SOURCE: Abstracts of Papers, 220th ACS National Meeting,
Washington, DC, United States, August 20-24, 2000
(2000) AGRO-106
CODEN: 69FZC3

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal; Meeting Abstract

LANGUAGE: English

L7 ANSWER 9 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 6

ACCESSION NUMBER: 1999:553878 CAPLUS

DOCUMENT NUMBER: 132:59757
TITLE: Obtaining a **transgenic** upland **cotton**
harboring two insecticidal genes
AUTHOR(S): Wang, Wei; Zhu, Zhen; Gao, Yue-Feng; Shi, Chun-Lin;
Chen, Wan-Xin; Guo, Zhong-Chen; Li, Xiang-Hui
CORPORATE SOURCE: Institute of Genetics, The Chinese Academy of
Sciences, Beijing, 100101, Peop. Rep. China
SOURCE: Zhiwu Xuebao (1999), 41(4), 384-388
CODEN: CHWHAY; ISSN: 0577-7496
PUBLISHER: Kexue Chubanshe
DOCUMENT TYPE: Journal
LANGUAGE: Chinese

L7 ANSWER 10 OF 21 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN

ACCESSION NUMBER: 1999:505947 BIOSIS
DOCUMENT NUMBER: PREV199900505947
TITLE: Insertion of the maize transposable element Ac into
soybean (Glycine max L. Merr.) by Agrobacterium
mediated **transformation** method.
AUTHOR(S): Aljanabi, S. M.; Shibli, R.; Ajlouni, M. [Reprint author]
CORPORATE SOURCE: Biotechnology Department, Mauritius Sugar Industry Research
Institute, Reduit, Mauritius
SOURCE: Dirasat Agricultural Sciences, (May, 1999) Vol. 26, No. 2,
pp. 226-239. print.
ISSN: 1026-3764.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 3 Dec 1999
Last Updated on STN: 3 Dec 1999

L7 ANSWER 11 OF 21 CABA COPYRIGHT 2004 CABI on STN

ACCESSION NUMBER: 94:103187 CABA
DOCUMENT NUMBER: 19941608351
TITLE: Binary vector mediated **transformation** of
soybean
AUTHOR: Lee, W. B.; Komatsuda, T.
CORPORATE SOURCE: Northeast Agricultural University, Harbin,
Heilongjiang, China.
SOURCE: Soybean Genetics Newsletter, (1994) Vol. 21, pp.
87-91. 6 ref.
DOCUMENT TYPE: Journal
LANGUAGE: English
ENTRY DATE: Entered STN: 19941101
Last Updated on STN: 19941101

L7 ANSWER 12 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 7

ACCESSION NUMBER: 1994:623148 CAPLUS
DOCUMENT NUMBER: 121:223148
TITLE: 2,4-D resistant **transgenic cotton**
plants produced by Agrobacterium-mediated gene
transfer
AUTHOR(S): Chen, Zhixian; Llewellyn, Danny J.; Fan, Yunliu; Li,
Shujun; Guo, Sanduei; Jiao, gaili; Zhao, Junxia
CORPORATE SOURCE: Inst. Cotton, Shanxi Acad. Agric. Sci., Yuncheng,
044000, Peop. Rep. China
SOURCE: Zhongguo Nongye Kexue (Beijing, China) (1994), 27(2),
31-7
CODEN: CKNYAR; ISSN: 0578-1752
DOCUMENT TYPE: Journal
LANGUAGE: Chinese

L7 ANSWER 13 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1993:642288 CAPLUS
 DOCUMENT NUMBER: 119:242288
 TITLE: Cloning of **soybean** promoter fragments and
 expression in **transformed** Glycyrrhiza
 uralensis Fisch
 AUTHOR(S): Dong, Jinlan; Li, Hongquan; Qiao, Jingbo; Li, Hongwei;
 Liu, Guoping; Li, Jilin
 CORPORATE SOURCE: Dep. Biol., Harbin Normal Univ., 150080, Peop. Rep.
 China
 SOURCE: Yichuan Xuebao (1993), 20(3), 245-52
 CODEN: ICHPCG; ISSN: 0379-4172
 DOCUMENT TYPE: Journal
 LANGUAGE: Chinese

L7 ANSWER 14 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1991:179638 CAPLUS
 DOCUMENT NUMBER: 114:179638
 TITLE: Production of genetically **transformed** soya
 cell clones by means of protoplast electroporation
 Kuchuk, N. V.; Shakhovskii, A. M.; Komarnitskii, I.
 K.; Gleba, Yu. Yu.
 CORPORATE SOURCE: N. G. Kholodnyi Inst. Bot., Kiev, 252601, USSR
 SOURCE: Biotekhnologiya (1990), (5), 30-1
 CODEN: BTKNEZ; ISSN: 0234-2758
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian

L7 ANSWER 15 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1990:117394 CAPLUS
 DOCUMENT NUMBER: 112:117394
 TITLE: Regeneration of, and **transformation** of,
cotton callus
 INVENTOR(S): Rangan, Thirumale Srinivasa; Anderson, David Maurice;
 Rajasekaran, Kanniah; Grula, John William; Hudspeth,
 Richard Lorne; Yenofsky, Richard Lee
 PATENT ASSIGNEE(S): Phytogen, USA
 SOURCE: PCT Int. Appl., 109 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 8905344	A1	19890615	WO 1988-US4116	19881116
W: AU, JP, KR, SD, SU				
RW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE				
IL 104845	A1	19980816	IL 1988-104845	19881102
AU 8929266	A1	19890705	AU 1989-29266	19881116
AU 632038	B2	19921217		
BR 8806136	A	19890815	BR 1988-6136	19881116
ZA 8808550	A	19890830	ZA 1988-8550	19881116
EP 344302	A1	19891206	EP 1989-901415	19881116
EP 344302	B1	19990331		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
JP 02502253	T2	19900726	JP 1989-501312	19881116
ES 2016428	A6	19901101	ES 1988-3483	19881116
EP 899341	A2	19990303	EP 1998-118057	19881116
EP 899341	A3	19990421		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				

AT 178353	E	19990415	AT 1989-901415	19881116
CA 1337406	A1	19951024	CA 1988-583523	19881118
KR 9710757	B1	19970630	KR 1989-71350	19890715
AU 9335284	A1	19930520	AU 1993-35284	19930316
AU 668915	B2	19960523		
JP 07000065	A2	19950106	JP 1993-214729	19930630
JP 08004434	B4	19960124		
CA 1335799	A1	19950606	CA 1994-616835	19940316
US 6753463	B1	20040622	US 1994-336555	19941109
US 5834292	A	19981110	US 1995-436080	19950508
US 5859321	A	19990112	US 1995-438192	19950509
US 5695999	A	19971209	US 1995-476707	19950606
US 5583036	A	19961210	US 1995-486380	19950607
US 5874662	A	19990223	US 1995-475971	19950607
US 6624344	B1	20030923	US 1995-480186	19950607
US 6660914	B1	20031209	US 1995-487495	19950607
AU 9664247	A1	19961121	AU 1996-64247	19960823
AU 708250	B2	19990729		
RU 2225882	C2	20040320	RU 1997-121926	19971230
PRIORITY APPLN. INFO.:			US 1987-122200	A 19871118
			IL 1988-88266	A3 19881102
			EP 1989-901415	A3 19881116
			WO 1988-US4116	A 19881116
			CA 1988-583523	A3 19881118
			US 1991-680048	A3 19910329
			US 1993-122090	A1 19930914
			US 1993-122094	B1 19930914
			US 1993-122351	B1 19930914
			US 1993-122353	B1 19930914
			US 1993-122793	B1 19930914
			US 1994-336555	A1 19941109
			US 1995-436080	A1 19950508

L7 ANSWER 16 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1989:472528 CAPLUS

DOCUMENT NUMBER: 111:72528

TITLE: Particle-mediated genetic **transformation** of **soybean**

INVENTOR(S): Christou, Paul; McCabe, Dennis; Swain, William F.; Barton, Kenneth A.

PATENT ASSIGNEE(S): AGRACETUS, USA

SOURCE: Eur. Pat. Appl., 26 pp.
CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
EP 301749	A2	19890201	EP 1988-306613	19880720
EP 301749	A3	19901128		
EP 301749	B1	19940302		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
US 5015580	A	19910514	US 1988-193357	19880512
AT 102251	E	19940315	AT 1988-306613	19880720
AU 8820196	A1	19890202	AU 1988-20196	19880729
AU 619196	B2	19920123		
CN 1030940	A	19890208	CN 1988-104761	19880729
CN 1044919	B	19990901		
JP 01080296	A2	19890327	JP 1988-190479	19880729
PRIORITY APPLN. INFO.:			US 1987-79658	A 19870729

US 1988-193357 A 19880512
EP 1988-306613 A 19880720

L7 ANSWER 17 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1988:623989 CAPLUS
DOCUMENT NUMBER: 109:223989
TITLE: Genetic engineering of **cotton** plants and
lines
INVENTOR(S): Umbeck, Paul F.
PATENT ASSIGNEE(S): AGRACETUS, USA
SOURCE: Eur. Pat. Appl., 10 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 270355	A2	19880608	EP 1987-310611	19871202
EP 270355	A3	19900704		
EP 270355	B1	19940316		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
US 5004863	A	19910402	US 1986-937384	19861203
US 5004863	B2	20001017		
IN 168950	A	19910720	IN 1987-CA919	19871124
BR 8706530	A	19880712	BR 1987-6530	19871202
AT 102999	E	19940415	AT 1987-310611	19871202
ES 2052582	T3	19940716	ES 1987-310611	19871202
CN 87107233	A	19880824	CN 1987-107233	19871203
US 5159135	A	19921027	US 1990-575035	19900830
US 5159135	B1	20001024		
US 5004863	B1	19921208	US 1992-90002721	19920506
PRIORITY APPLN. INFO.:			US 1986-937384	A 19861203
			EP 1987-310611	A 19871202

L7 ANSWER 18 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 8
ACCESSION NUMBER: 1988:523535 CAPLUS
DOCUMENT NUMBER: 109:123535
TITLE: Stable **transformation** of **soybean**
callus by DNA-coated gold particles
AUTHOR(S): Christou, Paul; McCabe, Dennis E.; Swain, William F.
CORPORATE SOURCE: Agracetus, Middleton, WI, 53562, USA
SOURCE: Plant Physiology (1988), 87(3), 671-4
CODEN: PLPHAY; ISSN: 0032-0889
DOCUMENT TYPE: Journal
LANGUAGE: English

L7 ANSWER 19 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1987:170182 CAPLUS
DOCUMENT NUMBER: 106:170182
TITLE: Genetically **transformed cotton**
(Gossypium hirsutum L.) plants
AUTHOR(S): Umbeck, Paul; Johnson, Gail; Barton, Ken; Swain, Will
CORPORATE SOURCE: Agracetus, Middleton, WI, 53562, USA
SOURCE: Bio/Technology (1987), 5(3), 263-6
CODEN: BTCHDA; ISSN: 0733-222X
DOCUMENT TYPE: Journal
LANGUAGE: English

L7 ANSWER 20 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 9
ACCESSION NUMBER: 1988:88857 CAPLUS

DOCUMENT NUMBER: 108:88857
TITLE: **Transformation of cotton**
(Gossypium hirsutum L.) by Agrobacterium tumefaciens
and regeneration of **transgenic** plants
AUTHOR(S): Firoozabady, Ebrahim; DeBoer, David L.; Merlo, Donald
J.; Halk, Edward L.; Amerson, Lorraine N.; Rashka, Kay
E.; Murray, Elizabeth E.
CORPORATE SOURCE: Agrigenet. Adv. Sci. Co., Madison, WI, 53716, USA
SOURCE: Plant Molecular Biology (1987), 10(2), 105-16
CODEN: PMBIDB; ISSN: 0167-4412
DOCUMENT TYPE: Journal
LANGUAGE: English

L7 ANSWER 21 OF 21 AGRICOLA Compiled and distributed by the National
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of America. It contains copyrighted materials. All rights reserved.
(2004) on STN

ACCESSION NUMBER: 2004:15837 AGRICOLA
DOCUMENT NUMBER: IND43621626
TITLE: A simple and rapid Agrobacterium-mediated
transformation protocol for **cotton**
(Gossypium hirsutum L.): embryogenic calli as a source
to generate large numbers of **transgenic**
plants.
AUTHOR(S): Leelavathi, S.; Sunnichan, V.G.; Kumria, R.;
Vijaykanth, G.P.; Bhatnagar, R.K.; Reddy, V.S.
AVAILABILITY: DNAL (QK725.P54)
SOURCE: Plant cell reports, p. 465-470
ISSN: 0721-7714
NOTE: Includes references
DOCUMENT TYPE: Article
FILE SEGMENT: Non US
LANGUAGE: English

Refine Search

Search Results -

Terms	Documents
agrobacter\$ and L7	24

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L8

Refine Search

Recall Text

Clear

Interrupt

Search History

DATE: Friday, November 05, 2004 [Printable Copy](#) [Create Case](#)

Set Name Query

side by side

Hit Count Set Name

result set

DB=USPT; PLUR=YES; OP=OR

<u>L8</u>	agrobacter\$ and L7	24	<u>L8</u>
<u>L7</u>	(transgen\$ or transfor\$) and L6	24	<u>L7</u>
<u>L6</u>	glyphosate and L5	24	<u>L6</u>
<u>L5</u>	cotyledon and L4	43	<u>L5</u>
<u>L4</u>	kanamycin and L3	122	<u>L4</u>
<u>L3</u>	embry\$ and L2	492	<u>L3</u>
<u>L2</u>	(cotton or soybean)and L1	616	<u>L2</u>
<u>L1</u>	germline	2245	<u>L1</u>

END OF SEARCH HISTORY

Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 1 through 10 of 24 returned.

☐ 1. Document ID: US 6787687 B1

L8: Entry 1 of 24

File: USPT

Sep 7, 2004

US-PAT-NO: 6787687

DOCUMENT-IDENTIFIER: US 6787687 B1

TITLE: Rin gene compositions and methods for use thereof

DATE-ISSUED: September 7, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Giovannoni; James	Ithaca	NY	14850	
Tanksley; Steven	Ithaca	NY	14850	
Padmanabhan; Veeraragavan	Ankeny	IA	50021	
Ruezinsky; Diane	Woodland	CA	95776	
Vrebalov; Julie	Ithaca	NY	14850	
White; Ruth	Lansing	NY	14882	

US-CL-CURRENT: 800/317.4; 435/320.1, 435/410, 435/411, 435/419, 435/423, 435/430,
435/469, 536/23.1, 536/23.2, 536/23.6 , 800/260, 800/266, 800/278, 800/286,
800/287, 800/290, 800/292, 800/293, 800/294, 800/298

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 2. Document ID: US 6762347 B1

L8: Entry 2 of 24

File: USPT

Jul 13, 2004

US-PAT-NO: 6762347

DOCUMENT-IDENTIFIER: US 6762347 B1

TITLE: NOR gene compositions and methods for use thereof

DATE-ISSUED: July 13, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Giovannoni; James	Ithaca	NY	14850	
Tanksley; Steven	Ithaca	NY	14850	
Vrebalov; Julia	Ithaca	NY	14850	

Noensie; Frederick New York NY 10016

US-CL-CURRENT: 800/286; 435/320.1, 800/292, 800/293, 800/294

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw De
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☐ 3. Document ID: US 6750379 B2

L8: Entry 3 of 24

File: USPT

Jun 15, 2004

US-PAT-NO: 6750379

DOCUMENT-IDENTIFIER: US 6750379 B2

TITLE: Homologous recombination-mediated transgene alterations in plants

DATE-ISSUED: June 15, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
McElroy; David	Redwood City	CA		
Walters; David A.	North Stonington	CT		
Gilbertson; Larry A.	Chesterfield	MO		

US-CL-CURRENT: 800/278; 800/260, 800/275, 800/288, 800/300, 800/306, 800/312,
800/314, 800/317.2, 800/320, 800/320.1, 800/320.2, 800/320.3

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw De
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☐ 4. Document ID: US 6747189 B1

L8: Entry 4 of 24

File: USPT

Jun 8, 2004

US-PAT-NO: 6747189

DOCUMENT-IDENTIFIER: US 6747189 B1

TITLE: Maize glycine rich protein promoter compositions and methods for use thereof

DATE-ISSUED: June 8, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
McElroy; David	Palo Alto	CA		
Orozco, Jr.; Emil M.	West Grove	PA		
Laccetti; Lucille B.	Groton	CT		

US-CL-CURRENT: 800/287; 435/419, 435/468, 536/24.1, 800/298, 800/306, 800/312,
800/314, 800/317.2, 800/317.3, 800/317.4 , 800/320, 800/320.1, 800/320.2,
800/320.3, 800/322

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw De
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☐ 5. Document ID: US 6635806 B1

L8: Entry 5 of 24

File: USPT

Oct 21, 2003

US-PAT-NO: 6635806

DOCUMENT-IDENTIFIER: US 6635806 B1

**** See image for Certificate of Correction ****TITLE: Methods and compositions for expression of transgenes in plants

DATE-ISSUED: October 21, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kriz; Alan L.	Gales Ferry	CT		
Luethy; Michael H.	Old Mystic	CT		
Voyles; Dale A.	Griswold	CT		

US-CL-CURRENT: 800/287; 536/24.1, 800/298, 800/300, 800/301, 800/302, 800/303,
800/312, 800/314, 800/317.2, 800/317.3, 800/317.4, 800/320, 800/320.1, 800/320.2,
800/320.3

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 6. Document ID: US 6583338 B2

L8: Entry 6 of 24

File: USPT

Jun 24, 2003

US-PAT-NO: 6583338

DOCUMENT-IDENTIFIER: US 6583338 B2

TITLE: Maize A3 promoter and methods for use thereof

DATE-ISSUED: June 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
McElroy; David	Palo Alto	CA		
Kriz; Alan L.	Gales Ferry	CT		
Orozco, Jr.; Emil M.	West Grove	PA		
Griffor; Matt	N. Stonington	CT		

US-CL-CURRENT: 800/278; 435/252.3, 435/320.1, 435/413, 435/414, 435/415, 435/416,
435/417, 435/418, 435/419, 435/468, 435/69.1, 536/23.1, 536/23.6, 536/24.1,
800/260, 800/279, 800/281, 800/284, 800/287, 800/289, 800/290, 800/295, 800/300,
800/312, 800/314, 800/317, 800/320, 800/320.1, 800/320.2, 800/320.3

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 7. Document ID: US 6580019 B1

L8: Entry 7 of 24

File: USPT

Jun 17, 2003

US-PAT-NO: 6580019

DOCUMENT-IDENTIFIER: US 6580019 B1

TITLE: Non-reciprocal recombination-mediated transgene deletion in transgenic plants

DATE-ISSUED: June 17, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
McElroy; David	Redwood City	CA		
Walters; David A.	North Stonington	CT		

US-CL-CURRENT: 800/320

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 8. Document ID: US 6486382 B1

L8: Entry 8 of 24

File: USPT

Nov 26, 2002

US-PAT-NO: 6486382

DOCUMENT-IDENTIFIER: US 6486382 B1

TITLE: Use of the green fluorescent protein as a screenable marker for plant transformation

DATE-ISSUED: November 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gordan-Kamm; William	Urbandale	IA		
Pierce; Dorothy A.	Urbandale	IA		
Bowen; Benjamin	Des Moines	IA		
Bidney; Dennis	Urbandale	IA		
Ross; Margit	Johnston	IA		
Scelonge; Christopher	Des Moines	IA		
Miller; Michael D.	Winterset	IA		
Sandahl; Gary	West Des Moines	IA		
Wang; Lijuan	Urbandale	IA		

US-CL-CURRENT: 800/278; 435/320.1, 435/419, 435/69.8, 536/23.6, 800/287, 800/298, 800/306, 800/320.1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 9. Document ID: US 6437217 B1

L8: Entry 9 of 24

File: USPT

Aug 20, 2002

US-PAT-NO: 6437217

DOCUMENT-IDENTIFIER: US 6437217 B1

TITLE: Maize RS81 promoter and methods for use thereof

DATE-ISSUED: August 20, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
McElroy; David	Palo Alto	CA		
Orozco, Jr.; Emil M.	West Grove	PA		
Laccetti; Lucille B.	Groton	CT		

US-CL-CURRENT: 800/278; 435/419, 435/430, 435/468, 536/23.6, 536/24.1, 800/260,
800/275, 800/279, 800/287, 800/289, 800/295, 800/298, 800/300, 800/301, 800/302,
800/303, 800/306, 800/312, 800/314, 800/317.2, 800/317.3, 800/317.4, 800/320,
800/320.1, 800/322

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw. De
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☐ 10. Document ID: US 6433252 B1

L8: Entry 10 of 24

File: USPT

Aug 13, 2002

US-PAT-NO: 6433252

DOCUMENT-IDENTIFIER: US 6433252 B1

**** See image for Certificate of Correction ****

TITLE: Maize L3 oleosin promoter

DATE-ISSUED: August 13, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kriz; Alan L.	Gales Ferry	CT		
Griffor; Mathew	North Stonington	CT		

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800/317.4, 800/320, 800/320.1, 800/320.2, 800/320.3

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